### PATENT COOPERATION TREATY

REC'D 1 3 JUN 2006

From the INTERNATIONAL SEARCHING AUTHORITY
To:
JAY Z. ZHANG MYRIAD GENETICS, INC.
320 WAKARA WAY

PCT WIPO

JAY Z. ZHANG		101			
MYRIAD GENETICS, INC.					
320 WAKARA WAY SALT LAKE CITY, UT 84108		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
			(PCT Rule 43bis.1)		
		Date of mailing	110 H101.000		
		(day/month/year)	US JUN 2006		
Applicant's or agent's file reference		FOR FURTHER	FOR FURTHER ACTION See paragraph 2 below		
5062.03WO International application No.	International filing da	ite (day/montli/year)	Priority date (day/month/year)		
PCT/US05/09595	21 March 2005 (21.0)	3 2005)	19 March 2004 (19.03.2004)		
International Patent Classification (	IPC) or both national classific	cation and IPC			
IPC(7): A61K 31/404; C07D 209/0	4 and US CL: 514/415, 419:	548/469, 490, 491			
Applicant					
MYRIAD GENETICE, INC.					
1. This opinion contains indication	ns relating to the following it	tems:			
Box No. I Basis	of the opinion				
Box No. II Priority					
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
Box No. IV Lack of unity of invention					
Box No. V Reason applic	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
Box No. VI Certa	Box No. VI Certain documents cited				
Box No. VII Certa	in defects in the international	application			
Box No. VIII Certa	in observations on the interna	ational application			
2. FURTHER ACTION			the sumitten opinion of the		
	mining Authority ("IPEA") to be the IPEA and the chose	except that this does en IPEA has notified th	be considered to be a written opinion of the not apply where the applicant chooses an le International Bureau under Rule 66.1bis(b) cred.		
If this opinion is, as provided IPEA a written reply together, of Form PCT/ISA/220 or before	where appropriate with ame	enamenis, defore uie ex	PEA, the applicant is invited to submit to the piration of 3 months from the date of mailing whichever expires later.		
For further options, see Form PCT/ISA/220.					
3. For further details, see notes to Form PCT/ISA/220.					
Name and mailing address of the I Mail Stop PCT, Attn: ISA/U Commissioner for Patents	i.	npletion of this opinion	Authorized officer 1 W Golam M. M. Sylameem, Ph.D		
P.O. Box 1450 Alexandria, Virginia 22313	·1450		Telephone No. (571) 272-1600		

Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (April 2005)

International application No.
PCT/US05/09595

Box No. I Basis of this opinion									
1. With r	1. With regard to the language, this opinion has been established on the basis of:								
$\boxtimes$	the international application in the language in which it was filed								
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).								
2. With r invent	2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:								
a.	type of material								
	a sequence listing								
	table(s) related to the sequence listing								
b.	format of material .								
	on paper								
	in electronic form								
c.	time of filing/furnishing								
	contained in the international application as filed.								
	filed together with the international application in electronic form.								
	furnished subsequently to this Authority for the purposes of search.								
3. 🗌	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.								
4. Additi	onal comments:								
	<u></u>								

International application No. PCT/US05/09595

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1. Statement	-			
Novelty (N)	Claims	1-9		YES
				_NO
Inventive step (IS)	Claims			_YES _NO
	Claims	NONE		_140
Industrial applicability (IA)	Claims	1-9		_YES
,		NONE		_NO
	·			
2. Citations and explanations:				
Claims 1-9 meet the criteria set out in PCT Article 33( described in this application. The closest prior art of re	2)-(3), becaus cord is US 6,	e the prior art does not te 821,997 B1.	ach or fairly suggest the compound	s as
Claims 1-9 meet the criteria set out in PCT Article 33(claimed can be made or used in industry.	4), and thus c	laims 1-9 have industrial :	applicability because the subject ma	atter
•				
•				
•			•	
•				
			•	

Form PCT/ISA/237 (Box No. V) (April 2005)

105 93180

### PATENT COOPERATION TREATY

REC'D 1 3 JUN 2006

		POT
	WIPO	PU1
PC		

From the
INTERNATIONAL SEARCHING AUTHORITY

To:
JAY Z. ZHANG
MYRIAD GENETICS, INC.
320 WAKARA WAY
SALT LAKE CITY. UT 84108

JAY Z. ZHANG MYRIAD GENETICS, INC. 320 WAKARA WAY SALT LAKE CITY, UT 84108				WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY  (PCT Rule 43bis.1)			
				Date of mailing	US JUNGAAR		
Applicant	's or agent's file	reference		FOR FURTHER ACTION			
5062.03W				See paragraph 2 below			
Internation	nal application N	o.	International filing date	(day/month/year) Priority date (day/month/year)			
PCT/US0		Section (IDC) o	21 March 2005 (21.03.2 or both national classificat		19 March 2004 (19.03.2004)		
					·		
Applicant		D 209/04 and 1	US Cl.: 514/415, 419; 54	8/469, 490, 491			
MYRIAD	GENETICE, IN	c.	<u>.                                    </u>				
1. This	opinion contains i	indications rela	ting to the following item	15:			
	Box No. I	Basis of the	J		·		
	Box No. II	Priority	ophiaon				
	Box No. III	·	thment of opinion with re	gard to novelty, inve	ntive step and industrial applicability		
	Box No. IV		y of invention				
Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
	Box No. VI	Certain docu	ments cited		•		
	Box No. VII	Certain defec	ets in the international app	olication	ł		
	Box No. VIII	Certain obser	vations on the internation	nal application	ł		
2. FUR	THER ACTIO	N			•		
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.							
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.							
For further options, see Form PCT/ISA/220.							
3. For further details, see notes to Form PCT/ISA/220.					0		
	mailing address o		Date of complet	ion of this opinion	Authorized offices 7.11		
c	fail Stop PCT, Attn Commissioner for Pa				Golam M. M. Shameem, Ph.D		
P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230					Telephone No. (571) 272-1600		
	Pacsimire No. (703) 303-3230						

Form PCT/ISA/237 (cover sheet) (April 2005)

International application No.
PCT/US05/09595

Box No. I Basis of this opinion								
I. With re	gard to the language, this opinion has been established on the basis of:							
$\boxtimes$	the international application in the language in which it was filed							
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).							
	2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:							
· a.	type of material							
	a sequence listing							
. [	table(s) related to the sequence listing							
<b>b</b> . :	format of material							
[	on paper							
	in electronic form							
<b>c.</b> 1	time of filing/furnishing							
Ĩ	contained in the international application as filed.							
[	filed together with the international application in electronic form.							
[	furnished subsequently to this Authority for the purposes of search.							
. (	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.							
4. Addition	nal comments:							
	·							

International application No. PCT/US05/09595

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
1. Statement	-					
Novelty (N)	Claims	1-9		YES		
Inventive step (IS)	Claims					
	Claims	NONE	<del></del>	NO		
Industrial applicability (IA)	Claims	1-9		YES		
	Claims	NONE		NO		
Citations and explanations:  Claims 1-9 meet the criteria set out in PCT Article 3	2(2) (2) heavy	a the prior set does not too	ash or fairly suggest the	rompounds as		
described in this application. The closest prior art of	record is US 6,	e the phor art does not lea 321,997 B1.	en or ranny suggest me t	ompounds as		
Claims 1-9 meet the criteria set out in PCT Article 3. claimed can be made or used in industry.	3(4), and thus c	laims 1-9 have industrial a	applicability because the	subject matter		
		•				
·						
		•				
		•				
		•				
		·				
				•		

Form PCT/ISA/237 (Box No. V) (April 2005)